

670	27364	92836	09428	61208	74982	36498	32764	81276	01
4986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	76
6723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	59
58	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
667	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
543	98798	98754	98754	98754	98754	29867	67543	67986	867
976	87698	69876	87698	69876	87612	12341	34867	86798	632
967	43298	65656	56756	56123	32143	14321	32143	14321	321
71	02787	58765	76587	58765	76587	58765	76587	58756	765
75476	26547	54365	36543	54365	36543	54365	36543	54365	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #165, June 2011

Editor: Ary Boender email: ary@luna.nl

Check for previous newsletters, info, sound samples and databases also:

NUMBERS & ODDITIES <http://www.ary.luna.nl>

<http://www.numbersoddities.nl>

SPY NUMBERS ONLINE DATABASE <http://www.spynumbers.com/numbersDB>

UTILITY DXERS FORUM (UDXF) <http://www.udxf.nl>

It was a quiet month. Less logs than normally but thanks to Danix and Spectre we still have a lot of logs and transcripts this month. I have been on vacation and had other obligations that kept me away from the radio for the greater part of June. So, hardly any logs from me this time. I hope you will enjoy N&O and keep the logs coming !!!

VOICE STATIONS

E06



8142/7608 kHz, 0030/0130 UTC, 25-06. Copied by Spectre.

759 148 32

62452 58123 19475 92668 96904 96558 38498 04188 98209 52734

33779 48080 04392 35893 79621 53470 98735 53559 78013 17709

11184 40581 52708 18743 85902 51802 79304 76358 53488 37098

94178 12262

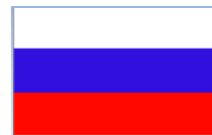
148 32

00000

Two new E06 recordings, made by Dauntless, have been added to the N&O website.

Transmissions of 18-6 and 19-6 at 0030 UTC.

E07



13524 kHz, 1900/1920/1940 UTC, 27-06. Copied by Danix.

865 865 865 1

127 35 127 35

73145 23578 25876 78856 34261 65161 47489 04778 52685 47103

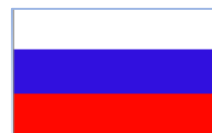
40499 14331 99828 63497 40926 16166 29688 84208 09028 80547

79159 87423 04302 36734 82163 57502 39721 63374 45212 52214

30355 23583 18778 75852 43211

000 000

S06



4585 kHz, 1950 UTC, 30-06. Logged by Spectre.

125 029 12

23437 97961 13113 61122 91285 90489 81221 37429 01813 43671

56377 67126

029 12 00000

4586 kHz, 1948, UTC, 30-06. Logged by Danix.

125
029 12
23437 97961 13113 61122 91285 90489 81221 37429 01813 43671
56377 67126
029 12
00000

4512 kHz, 2023 UTC, 30-06. Logged by Danix.

524 030 12
34338 15552 30742 95280 96492 18820 87051 16405 93414 65430 31305 72161
030 12 524
033 12
79859 93180 25749 28095 29584 71767 15617 26108 10536 14519 48421 10791
033 12
00000

4001 kHz, 2100 UTC, 30-06. Logged by Danix.

294
031 12
39290 30175 22845 48119 98206 67101 30263 55438 56492 51020 90166 01050
031 12
00000

S21

5373 kHz, 1742 UTC, 23-06. Logged by Spectre.

973 933 33
47723 20934 02736 91860 66631 69391 29818 49761 47320 61777
25282 88585 43539 80016 69292 45860 39457 32969 01737 16914
90776 79582 48115 10578 58792 07470 26908 31809 69830 77084
73858 93598 87533
933 33
000

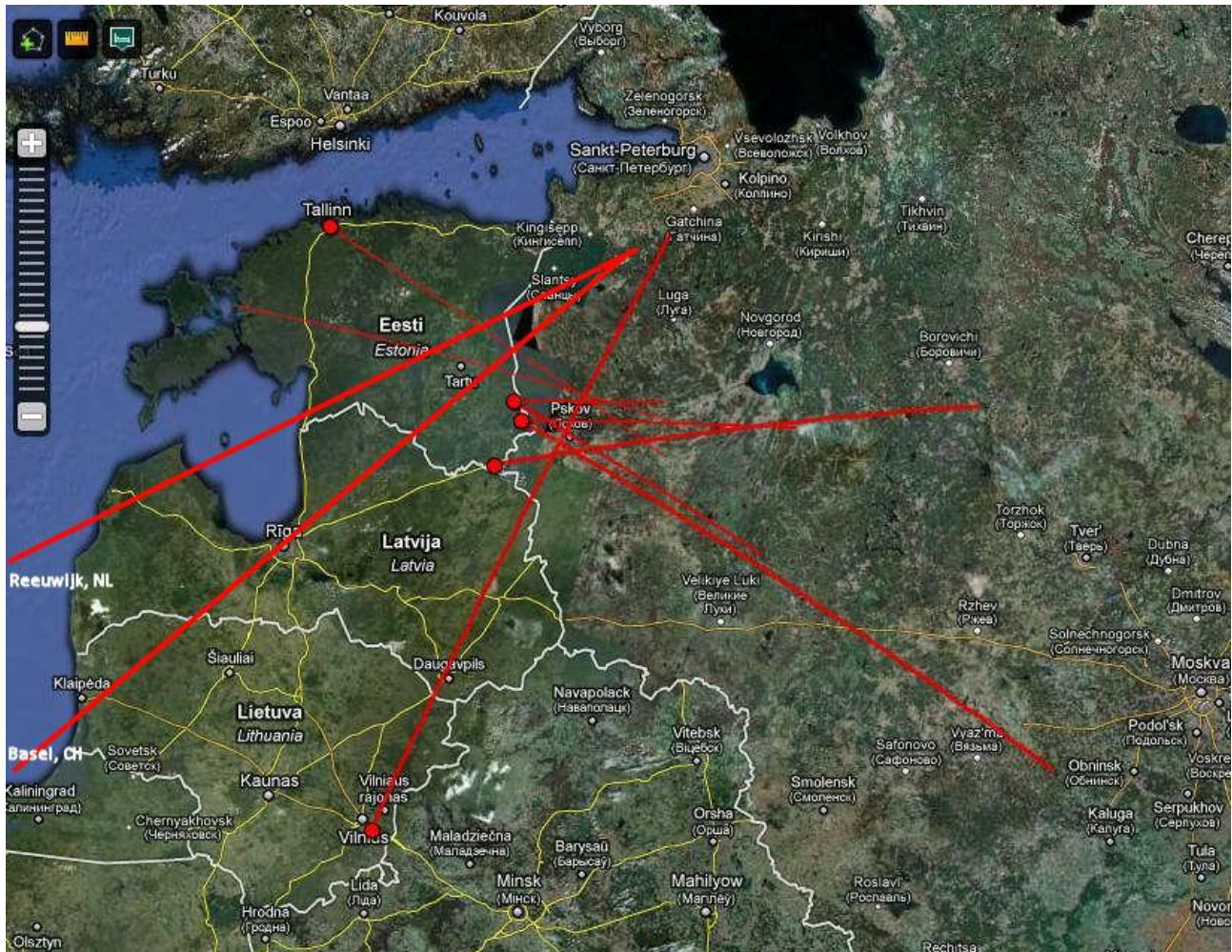
S28 - The Buzzer (UVB-76 / MDZhB)



The search for the current transmitter site is still going on. The St Petersburg area was mentioned here before. In the past couple of weeks DFs were made from three locations in SE Estonia near the Russian border. Most bearings (204 of 394) were measured between 70 and 110 deg., maximum to 90 deg. These DFs indicate QTH within a 50 km radius around Pskov. The map below indicates the mentioned

bearings and additional bearings from Basel, Vilnius, Stockholm, Tallinn, and Reeuwijk. I'd like to thank JM/SZ for the bearings and map. The bearings from Basel and Reeuwijk were added by me.

Note: from the two DF points in Estonia are plotted the *sectors*, not bearings.



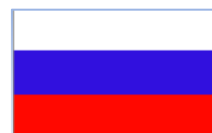
The station transmitted various messages in June.

S30 – The Pip



Active on its usual day (5448 kHz) and night (3756 kHz) frequencies throughout the month.

S32 – Squeaky Wheel



Active on its usual day (5473.9 kHz) and night (3828.9 kHz) frequencies throughout the month.

V13 – New Star Broadcasting Station

星星廣播電台 Xīngxīng guǎngbò diàntái



Frequency since 1 April: 9725 kHz

Schedules at 0500, 0600, 1200, 1300 UTC.

V24



As you can see V24 is still very much alive and kicking. Thanks for the logs, Token!

5115 kHz	Sun	05-06	1400	5FGs	5715 kHz	Sun	12-06	1530	5FGs
6730 kHz	Sun	05-06	1430	5FGs	5115 kHz	Sun	12-06	1630	4FGs
4900 kHz	Sun	05-06	1500	5FGs	5715 kHz	Mon	13-06	1200	5FGs
6730 kHz	Sun	05-06	1630	5FGs	4900 kHz	Tue	14-06	1200	5FGs
6215 kHz	Fri	10-06	1230		4900 kHz	Wed	15-06	1200	5FGs
6730 kHz	Fri	10-06	1330		4900 kHz	Fri	17-06	1500	5FGs
5715 kHz	Fri	10-06	1430		5115 kHz	Fri	17-06	1530	5FGs
6215 kHz	Fri	10-06	1500	5FGs	5715 kHz	Sat	18-06	1300	5FGs
6330 kHz	Fri	10-06	1530	5FGs	6330 kHz	Sat	18-06	1330	4FGs
5115 kHz	Fri	10-06	1630	4FGs	6215 kHz	Sat	18-06	1500	5FGs
5715 kHz	Sat	11-06	1430		5115 kHz	Sat	18-06	1530	5FGs
6215 kHz	Sat	11-06	1500	5FGs	6215 kHz	Sun	26-06	1500	5FGs
5715 kHz	Sat	11-06	1530	5FGs	6730 kHz	Tue	28-06	1300	5FGs
5115 kHz	Sat	11-06	1630	4FGs	6215 kHz	Wed	29-06	1230	5FGs
5715 kHz	Sun	12-06	1200	5FGs					

V26



A couple of logs submitted by Token:

4243 kHz Sat 11-06 1158
4283 kHz Sat 11-06 1310 7553//9153 kHz
7553 kHz Sat 11-06 1310 4283//9153 kHz
9153 kHz Sat 11-06 1310 4283//7553 kHz
4243 kHz Sat 18-06 1204
4243 kHz Sun 26-06 1207

VC01 – Chinese Robot



Modes: USB and LSB .

The first UDXF log of the Chinese Robot was on 27-3-2000. We found the station since that date on the following frequencies: 3036, 3837, 4410, 4422, 4427, 4480, 4530, 5288, 5303, 5700, 6479, 6771, 6840, 6855, 6860, 6960, 7090, 7608, 7684, 7726, 7744, 7756, 7770, 7880, 7924, 8000, 8025, 9169, 9192, 9290, 9340, 10508 kHz.

VC01 Logs:

4530 kHz, 01-06, 2216 UTC	9192 kHz, 23-06, 0609 UTC
4530 kHz, 02-06, 1948 UTC	9192 kHz, 26-06, 0659 UTC
4422 kHz, 11-06, 1420 UTC	4422 kHz, 26-06, 1150 UTC
9192 kHz, 14-06, 2033 UTC	9192 kHz, 28-06, 0517 UTC
4422 kHz, 18-06, 1210 UTC	9192 kHz, 29-06, 0512 UTC
9192 kHz, 22-06, 0537 and 0759 UTC	

VTN

VTN has daily transmissions on 10255 kHz USB at 1600 UTC.

Female reading “Sơn Ca gọi Hải Đăng năm hai năm ba” followed by a message. Repeated twice.

Spectre sent us the transcript and additional info of the messages.

Dictionary:	1 = Mot	2 = Hai	3 = Ba	4 = Bon	5 = Nam
	6 = Sau	7 = Bay	8 = Tam	9 = Chin	0 = Kong
	Message = Tin nhan				

VTN 12-05-2011, 1600 UTC, 10255 Khz, USB, Vietnamese OM, 50 Group Message 5 Fig Groups.

Message announcement (Son Ca Goi Hai Dang Nam Hai Nam Ba) (6 times)

Code key 65 (So dien)
Message (Tin nhan) (3 times)
Code key 65 (So dien)
Message (Tin nhan) (3 times)
Group count 45 (So nhom) (2 times)

Message announcement (Son Ca Goi Hai Dang Nam Hai Nam Ba) (2 times)

Code key 65 (So dien)
Message (Tin nhan) (3 times)
Code key 65 (So dien)
Message (Tin nhan) (3 times)
Group count 45 (So nhom) (1 time)

Start Of message announcement (Noi Dung Sua Dau) (1 time)

01340 35424 75132 28860 73614 19286 05659 09343 12548 26981 94697 74554 06309 64246 11813
18223 87829 18260 56078 97189 87747 11308 42226 19905 78558 69633 49068 46347 47849 42237
05773 70588 18749 76178 56992 66040 53426 54963 20794 27651 39339 43867 37772 37723 53064
06795 37525 69825 53236 90922

End of message announcement (Son Ca Goi Dang Nam Nam Nam Ba) (2 times)

MORSE STATIONS

MX - Russian Military beacons



Reported beacons on various cluster frequencies:

European Cluster Beacons: D, P, S, C, A

Asian Cluster Beacons: F, K, M

Other beacons: P – 3772, 4476 kHz

R – 4325.9 kHz

V – 4150, 4392 kHz

M01

4905 kHz, 2000 UTC, 28-06:

025 687 30 = =

37577 81762 48291 09640 02624 96966 32116 87005 13939 06284

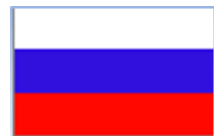
11866 68878 49718 62233 96120 94373 46265 38151 26704 67482

20185 19116 11934 42875 12629 10888 42762 00804 77029 98665

= = 687 30

000

M12



14524 kHz, 1300 UTC, 27-06. Copied by Danix.

Notice 130 groups instead of given in group count 129!!

555 555 555 1

125 129 125 129

53485 99461 52186 44657 85587 06051 76944 61697 46255 00187

13739 60366 88292 49515 84573 07757 22085 52922 20372 89486

97117 38713 70006 16882 92695 45433 12671 36568 25346 88775

65943 71133 08310 51415 13393 95678 32703 63688 81430 33361

88727 59191 03115 81400 46060 51404 12410 59658 30507 61494

55842 39646 15882 28232 82521 55459 07101 55179 79005 97954

73093 83090 96396 15544 49180 08304 82294 03322 28490 97164

11284 47078 36173 59301 08151 93369 11249 85255 08535 63752

57219 83893 49262 09071 50828 15238 00904 12861 75375 01433
13416 13416 83657 04853 79382 80446 88246 98651 91974 67260
01131 79959 58724 61321 22317 78815 89840 12463 46630 66206
66418 38907 58710 33668 22417 90740 54872 55809 78941 22537
99495 78821 40625 32509 27100 86381 47759 66015 52870 41015
0 0 0 0 0 0

9176 kHz, 1800 UTC, 27-06. Copied by Danix.

257 257 257 1
1393 56 1393 56
07262 00423 79520 41125 71118 51682 97522 83798 22460 84438
41579 32937 43068 77208 99783 42523 46677 19044 79964 38179
58738 47111 89713 12785 88684 92499 94304 32850 74231 07013
09933 73056 40491 69575 50912 63672 04638 91781 71003 48031
03315 04747 59174 31776 23599 35748 93533 13207 02793 *6516
05794 64907 75843 77387 93029 21606
0 0 0 0 0 0

9176 kHz, 1900 UTC, 27-06. Copied by Danix.

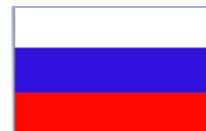
257 257 257 1
194 58 194 58
86520 97953 00913 74383 27635 81512 55939 51696 77126 13708
77538 20295 67663 13475 87458 04908 07350 56631 91466 47011
13296 95496 65987 75745 04122 83389 78563 34799 02920 13556
96716 40481 54294 35440 86556 90531 49626 58432 77960 75116
16589 36467 54802 11299 13039 02163 17238 69609 66782 06951
41909 73024 05635 82491 27283 19233 19285
0 0 0 0 0 0

M14

5936 kHz, 1920 UTC, 29-06: 417-903/15 = 41702

M21

Russian Air Defence Forces
Voyska Protivo Vozdushnoy Oborony
Во́йска ПВО Voyska PVO



Only two M21 and one M21a logs in June.

M21:

Id "9": 9222 kHz

Id ???: 4032 kHz

M21a:

7402 kHz, 0920 UTC, 02-06-2011

Message:

4533219375614 4529219616514 4536219619214
4543176548514 4540176573614 4544219841318
4535219811219 45_8219396418 4534219376419
4542219874618 4533218317318 4536219716618

M89 – Chinese military



VVV Q2M Q2M Q2M DE NYZ NYZ QSA? k	4860, 6840, 10640 kHz
V MB3R MB3R MB3R DE YA6X YA6X	Not heard
V QPZM QPZM QPZM DE WOXN WOXN	3327, 4523, 7568, 7602, 10643 kHz
V JA3L JA3L JA3L DE UN2T UN2T	Not heard
V 7NPE 7NPE 7NPE DE QV5B QV5B	4225, 5500, 7582, 7833, 8110, 10643 kHz
V 7NPE 7NPE 7NPE DE CI4W CI4W	Not heard
V DKG6 DKG6 DKG6 DE 3A7D 3A7D	7602, 10180, 10643 kHz
V GKVZ GKVZ GKVZ DE Q7NW Q7NW	3297 kHz
V 9VUP 9VUP 9VUP DE JR5U JR5U	Not heard
V RXP7 RXP7 RXP7 DE CZT2 CZT2	11432 kHz
V H2FL H2FL H2FL DE DRV8 DRV8	3797, 6773, 8040 kHz

Note:

JPL mentions that it was the first time that he copied DRV8 on 3797 kHz. "This freq also listed for UN2T, which has not been heard since May 11. Could DRV8 have replaced UN2T?"

Could be JP. The callsigns tend to disappear after a while.

M94



Not as active as its voice sister, but still there. Logged by Token.

6330 kHz Fri 10-06 1400
6330 kHz Sat 11-06 1400
6330 kHz Sun 26-06 1400

M95



4243 kHz Sat 11-06 1150
4243 kHz Sat 18-06 1155
4243 kHz Sun 26-06 1204

Logged by Token.

VARIOUS MODES

SK01



Jon-FL found a couple of new SK01 timeslots:

5898 kHz, 0500, 23-06
5898 kHz, 0500, 30-06
9124 kHz, 0600, 30-06
9063 kHz, 0630, 30-06

XPA & XPA2



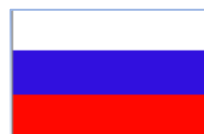
XPA logs:

Freq.	UTC	Date
9938	1750	02-06
12167	1400	07-06
11067	1420	07-06
10267	1440	07-06
10438	1730	07-06
9938	1750	07-06
9138	1810	07-06
10438	1730	07-06
10438	1730	09-06
9938	1750	09-06
9938	1810	09-06
12167	1400	12-06
11067	1420	19-06
15834	1900	27-06
9138	1810	28-06
9938	1750	28-06
10438	1730	30-06
9938	1750	30-06

XPA2 logs:

Freq.	UTC	Date
10735	1930	02-06
10135	1950	02-06
9135	2010	02-06
10135	1950	09-06
9135	2010	09-06
10735	1930	14-06
14874	1910	27-06

M42 & X06 - Russian Government / Intelligence



16277	0648	02-06	Mazielka. Sequence: 436512
14871	1647	03-06	Mazielka. Sequence: 156234
14630	1721	03-06	Russian Gov. Msg started with 11166 30000. Mode: CROWD-36
9084.5	0751	07-06	Russian Gov/Intel. Mode: CROWD-36
16116	0855	08-06	Mazielka. Sequence: 134265
14870	1455	08-06	Mazielka. Sequence: 156234
12156	0649	15-06	Mazielka. Sequence: 256341

14193	1134	15-06	Russian Gov/Intel. Mode: CROWD-36
16323	1157	15-06	Russian Gov/Intel. Mode: CROWD-36
14655.5	1254	15-06	Russian Gov/Intel. Mode: CROWD-36
16150.5	1310	15-06	Russian Gov/Intel.
9056	0435	17-06	Russian Gov/Intel. Mode: CROWD-36
9122	0651	17-06	Mazielka. Sequence: 615243
16166	0830	18-06	Russian Gov/Intel. Mode: Baudot 50/500. "54657 90987 13243 56576 11324 78790 35467 30987 45675 32456 =100= 43454 21465 76875 89009 32134 65467 87976 45680 23246 87689 56543 67890 = 0651"; "cfm nil sk"
8005.5	0802	21-06	Russian Gov/Intel. Mode: CROWD-36
14944	0901	21-06	Mazielka. Sequence: 621543
16344	1125	21-06	Russian Gov/Intel. Mode: CROWD-36
9140	0558	22-06	Russian Gov/Intel. Mode: F1B/1000 ARQ bursts
9075.25	0605	22-06	Russian Gov/Intel. Mode: F1B 100/1000
9140	0619	22-06	Russian Gov/Intel. Mode: DFSK 2ch/500
12100	0657	22-06	Mazielka. Sequence: 123456
12100	0746	22-06	Mazielka. Sequence: 123456
11483	0800	22-06	Mazielka. Sequence: 412356
9061	0807	22-06	Mazielka. Sequence: 412356
9061	0809	22-06	Mazielka. Sequence: 412356
16150.5	1345	23-06	Russian Gov/Intel. Mode: CROWD-36
16224	1350	23-06	Russian Gov/Intel. Mode: CROWD-36
14450	1040	24-06	Mazielka. Sequence: 123456
12100	1050	24-06	Mazielka. Sequence: 123456
11570	1012	28-06	Mazielka. Sequence: 123456
16276	1734	28-06	Mazielka. Sequence: 314265
13506	1926	29-06	Mazielka. Sequence: 164532
10731	1922	29-06	Mazielka. Sequence: 314265
11525	1928	29-06	Mazielka. Sequence: 156234

MILITARY STATIONS

M32 - Russian/CIS/Ukrainian Military SSB & CW Stations



2777.0	Russian Mil: LGXF ending 29 group msg. Later a strategic flash message to PPLR: "xxx xxx pplr pplr 192 mastx 181 192 mastx 181 k"; "bk bk ... lgxf ... r xxx "
3772.0	CIS Mil: "2CG7 2CG7 QTC 500 50 14 0005 500 = 721 = 11111 ... 14048 rpt al QLN ar"
6290.0	Russian warship RKB91 wkg RMP: "rkb91 nr 654 rpt 81 k - rkb91 qsl 654 k - rkb91 ok as 5 k"; "rmp de rkb91 qsu1 qsx 8270/8270 qwh 8764/8764 k"
6804.0	Russian Mil: "xxx xxx xxx esup esup wafe lxnyj 613 wafe lxnyj 613 k0722z xxx paba paba wafe lxnyj 613 k"
6989.0	Russian Mil: RAL2 radiocheck with RIB2 and RHQ2

6874.0 CIS Mil: EYC66 (?): "EY[C?]66 QTC QTC 853 22 06 0605 853 = 222 = AAAAA ..."

6989.0 Russian Navy: RBL672 wkg RAL2

7041.0 Russian Mil: DYOQ, FHCC, SDCV, I5SN, 2X5F, NTIF, XWR8, JB1R, 2X5F

7172.0 Russian Mil: RGR74, RIR2, RHC93

7763.0 Russian warship RMBB wkg RCV: "QSA NO QBW 11143"

7801.0 Russian Navy: RMBD clg RCV

7928.0 Russian Naval Air: RJF94 wkg RJC48

9134.0 Russian Mil: "ZOBE DE N1CP"

9288.0 Russian Mil: "HLZV QTC 6 19 31 2248 786 ="

9124.6 Russian Mil: "RPV2 R105 k"

9128.0 CIS Mil: "KFE4 KFE4 KFE4 de WFGM WFGM qsa ? k"

9134.0 Russian Mil: "h1hx h1hx 11hx qtc + h11hx 136 23 17 1145 136= 127 994 = ddddd dshrö oivqv yeiCh"; "mls6 de krd3 k - qtc k - krd3 552 19 17 1205 552 = 997 = qnreCH qbkicq ..."

9140.0 Russian Mil: "rrf30 rrf30 rrf30 de ruu70 ruu70 zhc ? zhc ?"
Modes: CW + Baudot 100/500

9145.0 Russian Navy: "riw 111 32 15 10 52 111 = SML FM RIT = 87844 90042 18487...";
"vvv rmzw de riw qsa ? k 0853z rmbd de riw qsa ? k"

9244.0 CIS Mil?: "PWZ8 PWZ8 PWZ8 PWZ8" repeated, no traffic.

9248.0 CIS Mil?: "N1CP de 2V5P qtc k - V5W 482 21 7 111T 482= 7T9 = 3156 5451 T4T5 5T86 24T3 341T 33ÜA H 6T4 3T27 9J27 7N52 6232 53? 3172 T951 7289"

9373.0 Russian Navy: "RMWU de RMP qsa ?"; "vvv rkb91 rkb91 rkb91 de rmp rmp qsa ? qtc k - rmp 63t7 1254 556 - sml - 2t7t6 17274 21252 314t8 166t_ 11t38"

9589.0 Russian Navy: "RDL RDL RDL 72142 53779 K"

10108.0 Russian Mil: "RED4 & RDL "00730 08177 KAWYGLAZ 7121 5378"

10987.0 Russian Mil: JDI4 radiocheck with EDCT. LGBH comms check with at least CXFE, S5JQ, SZZJ, WHG8, THM9 and 2YA1. LTCB msg to YBMW: "YBMW de LTCB QTC ZSV K. LTCB 676 17 1 0106 676 = ZSV 070 = PPPPP SPchPÖ FKOZC ... FKOZC PÄPÄE 220 K"

11143.0 Russian Navy: RCV wkg RMBB.

12593.0 Russian Mil: "XXX XXX XB2M XB2M 37219 OBLINÄLYJ 8264 2834 K"

14096.0 Russian Mil: I1J3, 5HJC, Z4LN, HJT3, CL6Y, 7YGA, 7GNR. "133 28 11 1129 133 = 146 + 5LGs"

14100.0	Russian Mil: "XXX CHEM 94522 STEREOSKOP 4235 4481 K"
14108.0	Russian Mil: IIFO, XTLO, D45X, 6JXU, MZO8, FL9B, ZTK1, EH5O, 3HG6, QUGH, SVYM, DPLT, STDC, YZJC, SRCF, A3TG, SVQR, XOAU, 2RBU, IZH4, X31M, TOPT, KEO1, IXA9, 9FSM, ALIV, KEA1, ZCLK, IZH4, IXA9, Y1CQ. "992 209 1304 992 = ZXF 056 = 5LGs 09.16 9 5 A1A Y1CQ QTC AR" "674 199 1248 674 = 056 = 5LGs" "425 19 10 1104 425 = 708 = 5LGs" "QTC 231 20 11 1050 231 ZVT 146 =" "A3TG de STDC QTC 175 2316 1048 175 ZTW" "QTC 851 16 17 1048 851 = 5LGs" "QTC 004 2018 1048 004 zvt 343 5LGs" "XXX SX6V 53464 rohoba 6253 6793 RPT + K" "664 17 26 0848 664 = ZLL 664 5LGs"
14118.0	Russian Mil: N6PW, SES5, B16J, 9CSR. "285 3410 1048 285 ZRV 283 5LGs 271"
14172.0	Russian Mil: "S9ZQ de ZQHZ 3418 1300 776 ZSU 195 = 5LGs
14262.0	Russian Mil: "VHWUB XTAHQ 5LGs" (Cyrillic)
14556.0	Russian Mil: "RKB91 RIW RIW QSA? K", "RKB91 DE RIW QSU 1 QDW 8276 FM RMTW K"; "RIS96 DE RIW QYT 9 QWH 16074 QSX 16684 K"; "RIS96 DE RIW QYT9 QSA? K"; "RIS96 DE RIW QYT9 QSA4 QMO K"; "RMZW DE RIW QYT4 QSX 16603 K"; "RMUW de RIW QSL 348? K"; "RMZW DE RIW K"
15812.0	Russian Navy: "RJP30 de RIT qsa ? qtc k"; "RIT 220 28 18 1211 220 = sml = 89880 38985 97105 ..."; "RIT 798 33 18 1212 798 = sml = 70991 64398 43398 .."
16912.0	Russian Mil: "XXX XXX RLO RLO 0135 55555 SWETOLÜB 8174 065Ö K" Russian Mil: "rdl rdl rdl 63726 11820 k 0757z rdl rdl rdl 40927 93243 k"

UTILITY ROUND-UP

Unid station

Last month we received a log of an unid station that transmitted on 11082 kHz, 1914 UTC, 14-05: Unid 3K net "VVV VVV 3K".

Trond found the station again on the same frequency:

11082 kHz, 1032 UTC, 06-06: Probably an unid component of a Russian mil (GRU controlled) HFDF net. It transmits A1A control strings "VVV VV VVV 3k", no 2ch 81-81/500(1000) observed with tactical data.

Unid Indonesian weather? net



Still active on 14277.7 kHz and still no idea who they are.

Unid Asian net

Last month I mentioned that Gary has found an unid Asian net at various dates and frequencies in 2011. The operators are singing and chatting; passionate speeches and group chats are common on this net.

Dauntless wrote me recently and says that the language is most likely Hindi.
Please listen to the recordings if you speak Hindi and let us know what you hear!

Libya: Operation "Unified Protector"



The following Psy-Ops transmissions were reported:

10125 kHz, 1146 UTC, 01-06-2011
9376 kHz, 1219 UTC, 02-06-2011
10404 kHz, 1237 UTC, 04-06-2011
10125 kHz, 1441 UTC, 05-06-2011
10125 kHz, 1043 UTC, 29-06-2011

LOGS SECTION

Freq.	enigma	date	UTC	remarks	mode	day	contributor
2680	M22	14-6-2011	2032	4XZ: Navy Haifa "VVV DE 4XZ 4XZ = ="	CW		(tING)
3111.5	M51	16-6-2011	2155	in progress	CW		(TR2)
3297	M89	26-6-2011	1939	V GKVZ (x3) DE Q7NW (x2) (Cont'd)	CW		(JPL-HK)
3327	M89	14-6-2011	2026	V QPZM (x3) DE WOXN (x2) (Cont'd) //4523	CW		(JPL-HK)
3327	M89	16-6-2011	1911	V QPZM (x3) DE WOXN (x2) (Cont'd) //4523	CW		(JPL-HK)
3732	S06	30-6-2011	2208	623:0	AM	Thu	(HFD)
3756	S30	25-6-2011	2057	Pip	USB		(AB)
3756	S30	6-6-2011	1859	Russian Mil channel marker: the Pip	CW		(TJ)
3797	M89	30-6-2011	1440	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW		(JPL-HK)
3815	G11	3-6-2011	2000	262/30	USB		(Danix)
3815	G11	5-6-2011	2000	262/30 A91913 ... 21349	USB		(Danix)
3815	G11	3-6-2011	2000	strong fadings	AM	Fri	(IP-NL)
3815	G11	10-6-2011	2000	262/00 almost inaudible.	USB	Fri	(SWL1409)
3821	S06	30-6-2011	2134	823 QRM	AM	Thu	(HFD)
3828.9	S32	25-6-2011	2057	Squeaky Wheel	USB		(AB)
4001	S06	30-6-2011	2059	294-031/12=39290	AM	Thu	(HFD)
4007	S06	29-6-2011	2100	294, 5555 sent after message	USB	Wed	(scanse)
4032	M21	6-6-2011	2149	Russian Air Defense	CW		(TJ)
4150	MX	25-6-2011	2156	Beacon "V" Khiva	CW		(AB)
4150	MX	6-6-2011	1900	Beacon "V" Khiva	CW		(TJ)
4225	M89	1-6-2011	2332	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8550 kHz (Wed) Changed frequency to 7582 //8110 kHz	CW		(JPL-HK)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
4225	M89	2-6-2011	2234	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110 kHz	CW		(JPL-HK)
4225	M89	3-6-2011	1340	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz	CW		(JPL-HK)
4225	M89	3-6-2011	2051	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 kHz	CW		(JPL-HK)
4225	M89	5-6-2011	1917	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	6-6-2011	1643	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	7-6-2011	1832	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	8-6-2011	1832	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500 Went Silent at 1931z as did //5500	CW		(JPL-HK)
4225	M89	13-6-2011	1634	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	14-6-2011	2016	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	16-6-2011	1910	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	16-6-2011	2226	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
4225	M89	22-6-2011	2304	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	23-6-2011	1336	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	23-6-2011	1610	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	23-6-2011	1853	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	24-6-2011	1837	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	25-6-2011	1656	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	25-6-2011	2327	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	26-6-2011	1235	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	26-6-2011	1946	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	27-6-2011	1557	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	27-6-2011	2303	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	28-6-2011	1057	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	29-6-2011	1112	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4225	M89	30-6-2011	1447	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW		(JPL-HK)
4243	M95	18-6-2011	1155		CW	Sat	(Token)
4243	M95	26-6-2011	1204		CW	Sun	(Token)
4243	M96	11-6-2011	1150		CW	Sat	(Token)
4243	V26	11-6-2011	1158		USB	Sat	(Token)
4243	V26	18-6-2011	1204		USB	Sat	(Token)
4243	V26	26-6-2011	1207		USB	Sun	(Token)
4283	V26	11-6-2011	1310	simulcast 7553 and 9153	USB	Sat	(Token)
4422	VC01	11-6-2011	1420	still in progres when tuned away at 1630	USB	Sat	(Token)
4422	VC01	18-6-2011	1210	still going at 1230 when I tuned away	USB	Sat	(Token)
4422	VC01	26-6-2011	1150	still going at 1235 when I tuned away	USB	Sun	(Token)
4478	M08a	4-6-2011	1100	5f cut nums: 13741 76811 37022 Weak sig.	CW	Sat	(westli)
4478	M08a	18-6-2011	1100	5f cut nums: 11331 17712 55612 Weak sig.	CW	Sat	(westli)
4512	S06	30-6-2011	2023	524-030/12=34338	AM	Thu	(HFD)
4512	S06	20-6-2011	2024	524 with message (started 2027) , 5555 was sent after message	USB	Mon	(scanse)
4523	M89	2-6-2011	2132	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7568	CW		(JPL-HK)
4523	M89	6-6-2011	1634	V QPZM (x3) DE WOXN (x2) (Cont'd) //7568	CW		(JPL-HK)
4523	M89	10-6-2011	1827	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
4523	M89	13-6-2011	1636	V QPZM (x3) DE WOXN (x2) (Cont'd) //7568	CW		(JPL-HK)
4523	M89	14-6-2011	2026	V QPZM (x3) DE WOXN (x2) (Cont'd) //3327	CW		(JPL-HK)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
4523	M89	15-6-2011	1658	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
4523	M89	15-6-2011	2012	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
4523	M89	16-6-2011	1911	V QPZM (x3) DE WOXN (x2) (Cont'd) //3327	CW		(JPL-HK)
4523	M89	22-6-2011	2302	V QPZM (x3) DE WOXN (x2) (Cont'd) //7568	CW		(JPL-HK)
4523	M89	23-6-2011	1335	V QPZM (x3) DE WOXN (x2) (Cont'd) //7568	CW		(JPL-HK)
4523	M89	26-6-2011	1236	V QPZM (x3) DE WOXN (x2) (Cont'd) //7568	CW		(JPL-HK)
4523	M89	26-6-2011	1945	V QPZM (x3) DE WOXN (x2) (Cont'd) //7568	CW		(JPL-HK)
4530	VC01	1-6-2011	2216	Chinese Robot	USB		(AB-HK)
4530	VC01	2-6-2011	1948	Chinese Robot	USB		(AB-HK)
4586	S06	30-6-2011	1952	125-029/12=23437	AM	Thu	(HFD)
4586	S06	29-6-2011	1951	125 with message	USB	Wed	(scanse)
4586	S06	2-6-2011	1950	Very weak signal. Too weak to read message.	USB	Thu	(Spec)
4625	S28	6-6-2011	1902	Russian Mil channel marker: the Buzzer	USB		(TJ)
4860	M89	7-6-2011	1819	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW		(JPL-HK)
4860	M89	10-6-2011	1819	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW		(JPL-HK)
4860	M89	13-6-2011	1620	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW		(JPL-HK)
4860	M89	14-6-2011	2020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 6840	CW		(JPL-HK)
4860	M89	16-6-2011	1920	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 6840	CW		(JPL-HK)
4860	M89	16-6-2011	2220	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 6840	CW		(JPL-HK)
4860	M89	27-6-2011	1620	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 6840	CW		(JPL-HK)
4896	M01b	10-6-2011	2010	467 938 30 = 13348	CW		(FN)
4900	V24	4-6-2011	1500	5f	AM	Sat	(Token)
4900	V24	5-6-2011	1500	5f	AM	Sun	(Token)
4900	V24	14-6-2011	1200	5f	AM	Tue	(Token)
4900	V24	15-6-2011	1200	5f	AM	Wed	(Token)
4900	V24	17-6-2011	1500	5f	AM	Fri	(Token)
4909	E11	1-6-2011	1445	287/00	USB		(Danix)
4909	E11	2-6-2011	0900	248/00	USB		(Danix)
4909	E11	4-6-2011	0900	248/00	USB		(Danix)
4909	E11	4-6-2011	1445	287/00	USB		(Danix)
4909	E11	23-6-2011	0900	246/34	USB	Thu	(HFD)
4909	E11	25-6-2011	0900	246/34	USB	Sat	(HFD)
4909	S11a	19-6-2011	1355	254/38=85532	USB	Sun	(HFD)
4909	E11	4-6-2011	1445	null message	USB	Sat	(IP-DE)
4909	E11	1-6-2011	1445	Weak signal. 287/00 End 1448z.	USB	Wed	(Spec)
4909	E11	4-6-2011	0900	Weak signal. 248/00 End 0903z.	USB	Sat	(Spec)
4909	E11	4-6-2011	1445	Weak signal. 287/00 End 1448z.	USB	Sat	(Spec)
5066	M01b	2-6-2011	1941	936 495 31 = 21231	CW		(FN)
5076	M01b	17-6-2011	1904	336 938 30 = 13348	CW		(FN)
5096	M01b	2-6-2011	1832	815 495 31	CW		(FN)
5115	V24	5-6-2011	1400	5f	AM	Sun	(Token)
5115	V24	10-6-2011	1630	4f	AM	Fri	(Token)
5115	V24	11-6-2011	1630	4f	AM	Sat	(Token)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
5115	V24	12-6-2011	1630	4f	AM	Sun	(Token)
5115	V24	17-6-2011	1530	5f	AM	Fri	(Token)
5115	V24	18-6-2011	1530	5f	AM	Sat	(Token)
5126	M01b	6-6-2011	1810	364 495 31 = 21231	CW		(FN)
5151	M01b	6-6-2011	1915	858 495 31 = 21231	CW		(FN)
5153.7	MX	14-6-2011	2210	Russian "D"	CW		(WP3)
5153.9	MX	14-6-2011	2210	Russian "S"	CW		(WP3)
5154	MX	14-6-2011	2210	Russian "C"	CW		(WP3)
5280	M01	9-6-2011	1800	025 186 30 = 34...	CW		(FN)
5341	M01b	10-6-2011	2010	467 938 30 = 13348	CW		(FN)
5373	S21	2-6-2011	1742	973 //4973 kHz	USB		(Danix)
5373	S21	16-6-2011	1750	msg 5ng	USB		(tING)
5417	V02a	3-6-2011	0200	SSYL: Caught late. Audio unreadable, as usual.	AM	Fri	(westli)
5430	S06s	7-6-2011	0700	374 819 5 06151	AM		(FN)
5430	S06s	7-6-2011	0700	374-819/5=06151	AM	Tue	(HFD)
5466	M01b	17-6-2011	1904	336 938 30 = 13348	CW		(FN)
5476	M01b	6-6-2011	1915	858 495 31 = 21231	CW		(FN)
5500	M89	1-6-2011	2332	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz (Wed) Changed frequency to 7582 //8110 kHz	CW		(JPL-HK)
5500	M89	2-6-2011	1045	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
5500	M89	2-6-2011	2135	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
5500	M89	2-6-2011	2147	V 7NPE (x3) DE QV5B (x2). Changed Frequency to 4225 //8110 at 2234z	CW		(JPL-HK)
5500	M89	3-6-2011	1340	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz	CW		(JPL-HK)
5500	M89	3-6-2011	1346	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
5500	M89	3-6-2011	2051	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz	CW		(JPL-HK)
5500	M89	6-6-2011	1643	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	7-6-2011	1832	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	8-6-2011	1832	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 Went Silent at 1931z as did //4225 - Back up at 2002z	CW		(JPL-HK)
5500	M89	10-6-2011	1825	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW		(JPL-HK)
5500	M89	22-6-2011	2304	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	23-6-2011	1336	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	23-6-2011	1610	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	23-6-2011	1853	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	24-6-2011	1837	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	25-6-2011	1656	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	25-6-2011	2327	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	26-6-2011	1235	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	26-6-2011	1946	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	27-6-2011	1557	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	27-6-2011	2303	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	28-6-2011	1853	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz. Msg: "VVV UGT COMM BT 9184/1930/79/9289 AR" (x2) (H	CW		(JPL-HK)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
5500	M89	29-6-2011	1112	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5500	M89	30-6-2011	1447	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW		(JPL-HK)
5715	V24	1-6-2011	1300	5f	AM	Wed	(Token)
5715	V24	2-6-2011	1300	5f	AM	Thu	(Token)
5715	V24	3-6-2011	1300	5f	AM	Fri	(Token)
5715	V24	4-6-2011	1300	5f	AM	Sat	(Token)
5715	V24	10-6-2011	1430		AM	Fri	(Token)
5715	V24	11-6-2011	1430		AM	Sat	(Token)
5715	V24	11-6-2011	1530	5f	AM	Sat	(Token)
5715	V24	12-6-2011	1200	5f	AM	Sun	(Token)
5715	V24	12-6-2011	1530	5f	AM	Sun	(Token)
5715	V24	13-6-2011	1200	5f	AM	Mon	(Token)
5715	V24	18-6-2011	1300	5f	AM	Sat	(Token)
5731	E06	3-6-2011	2130	315 635 15 13752 24685 53796 74806 65903 13782 15783 25603 51382 12356 41072 78516 6159	AM		(Danix)
5731	E06	3-6-2011	2130	RS/59 ID=315 With message.	USB	Fri	(E800)
5731	E06	3-6-2011	2130	Strong. 315 635 15 13752 25783 635 15 00000 End 2139z.	USB	Fri	(Spec)
5736	M01b	6-6-2011	1810	364 495 31 = 21231	CW		(FN)
5761	M01b	2-6-2011	1832	815 495 31	CW		(FN)
5773	E07a	1-6-2011	2040	(rpt of 2000z)	AM		(Danix)
5773	E07	1-6-2011	2040	147 1 60401 970 59 09581	AM		(FN)
5773	E07a	1-6-2011	2040	Fair. 147 1 60401 970 59 09581 01244 000 000 End 2048z.	USB	Wed	(Spec)
5788	M12	1-6-2011	1740	463:1	CW	Wed	(HFD)
5800	M08a	20-6-2011	0006	Loud morse code tones. Came in right in the middle.	AM	Mon	(NW)
5800	M08a	7-6-2011	0600	5f cut nums: 82142 43252 11761 Missed lead-off group.	MCW	Tue	(westli)
5800	M08a	21-6-2011	0600	5f cut nums: 66332 77351 44701	MCW	Tue	(westli)
5806	M01b	2-6-2011	1941	936 495 31 = 21231	CW		(FN)
5810	M01b	10-6-2011	1515	158-93#/30=26#87	CW	Fri	(HFD)
5811	M01b	17-6-2011	1515	158 934 30 = 26487	CW		(FN)
5815	G11	3-6-2011	1325	299/00	USB		(Danix)
5815	S11a	1-6-2011	1020	227/32 36485 01465 78151 34977 25427 85399 40018 02019 19062 04971 59447 41577 44557 77	USB		(Danix)
5815	S11a	4-6-2011	1020	227/32	USB		(Danix)
5815	G11	7-6-2011	1755	278/36=17954	USB	Tue	(HFD)
5815	G11	4-6-2011	1325	null message	AM	Sat	(IP-DE)
5815	G11	3-6-2011	1325	Weak signal. 299/00 End 1328z.	USB	Fri	(Spec)
5815	G11	4-6-2011	1325	Weak signal. 299/00 End 1328z.	USB	Sat	(Spec)
5815	S11a	4-6-2011	1229	in progress	USB		(tING)
5815	G11	18-6-2011	1325	Null message, RX via remote	USB	Sat	(Token)
5835	S06s	1-6-2011	0830	471 528 6 10298	AM		(FN)
5835	S06s	1-6-2011	0830	471	AM	Wed	(HFD)
5870	S06	22-6-2011	1805	471:0	AM	Wed	(HFD)
5883	V02a	16-6-2011	0700	17811 11471 58641 Slight broadcast QRM	AM	Thu	(NSM)
5898	SK01	23-6-2011	0500	for the full hour now.			(Jon-FL)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
5898	SK01	30-6-2011	0500	for the full hour now.			(Jon-FL)
5898	M08a	14-6-2011	0500	5f cut nums: 05401 87381 50231 Good sig.	MCW	Tue	(westli)
5898	M08a	21-6-2011	0500	5f cut nums: 66332 77351 44701 Good sig.	MCW	Tue	(westli)
5936	M14	29-6-2011	1920	417-903/15=41702	CW	Wed	(HFD)
5948	E06	2-6-2011	2030	724 heavy BC QRM	AM	Thu	(HFD)
5948	E06	2-6-2011	2030	Fair, heavy BCQRM. 724 712 15 15728 92715 712 15 00000 End 2039z.	USB	Thu	(Spec)
6215	V24	2-6-2011	1500	5f	AM	Thu	(Token)
6215	V24	3-6-2011	1500	5f	AM	Fri	(Token)
6215	V24	10-6-2011	1230		AM	Fri	(Token)
6215	V24	10-6-2011	1500	5f	AM	Fri	(Token)
6215	V24	11-6-2011	1500	5f	AM	Sat	(Token)
6215	V24	18-6-2011	1500	5f	AM	Sat	(Token)
6215	V24	26-6-2011	1500	5f	AM	Sun	(Token)
6215	V24	29-6-2011	1230	5f	AM	Wed	(Token)
6252	E11	26-6-2011	1240	349/00	USB	Sun	(HFD)
6330	M94	10-6-2011	1400		MCW	Fri	(Token)
6330	M94	11-6-2011	1400		MCW	Sat	(Token)
6330	M94	26-6-2011	1400		MCW	Sun	(Token)
6330	V24	3-6-2011	1330	4f	AM	Fri	(Token)
6330	V24	4-6-2011	1330	4f	AM	Sat	(Token)
6330	V24	10-6-2011	1530	5f	AM	Fri	(Token)
6330	V24	18-6-2011	1330	4f	AM	Sat	(Token)
6379	M22	6-6-2011	2022	4XZ: Israeli Navy Haifa "= = vvv de 4xz 4xz = ="	CW		(WP3)
6417	XSL	4-6-2011	1929	Very weak. Japanese Slot Machine in progress.	USB	Sat	(Spec)
6434	M01	4-6-2011	1500	Fair signal. 025 419 30 37067 99269 419 30 0 0 0 End 1509z.	CW	Sat	(Spec)
6666	S06s	7-6-2011	1500	537 912 6 29245	AM		(FN)
6730	V24	5-6-2011	1430	5f	AM	Sun	(Token)
6730	V24	5-6-2011	1630	5f	AM	Sun	(Token)
6730	V24	10-6-2011	1330		AM	Fri	(Token)
6730	V24	28-6-2011	1300	5f	AM	Tue	(Token)
6755	S06s	1-6-2011	0820	471 528 6 10298	AM		(FN)
6755	S06s	1-6-2011	0820	471-528/6=10298	AM	Wed	(HFD)
6768	V02a	6-6-2011	0400	SSYL atenci_n: Good sig, unreadable audio.	AM	Mon	(westli)
6770	S06	1-6-2011	1800	471 00000	AM		(Danix)
6770	S06	1-6-2011	1800	471:0	AM	Wed	(HFD)
6770	S06	15-6-2011	1800	471:0	AM	Wed	(HFD)
6770	S06	1-6-2011	1800	Fair signal. 471 00000 End 1803z.	USB	Wed	(Spec)
6773	M89	2-6-2011	1040	V H2FL (x3) DE DRV8 (x2) (Cont'd) (/8040	CW		(JPL-HK)
6773	M89	28-6-2011	1050	V H2FL (x3) DE DRV8 (x2) (Cont'd) // 8040	CW		(JPL-HK)
6773	M89	29-6-2011	1109	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
6773	M89	30-6-2011	1440	V H2FL (x3) DE DRV8 (x2) (Cont'd) (/3797	CW		(JPL-HK)
6780	S06s	7-6-2011	0715	374 819 5 06151	AM		(FN)
6780	S06s	7-6-2011	0710	374	AM	Tue	(HFD)
6802	M12	1-6-2011	1720	463:1	CW	Wed	(HFD)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
6815	S06s	8-6-2011	1210	481 259 6 67844	AM		(FN)
6815	S06s	1-6-2011	1210	Fair. 481 259 6 67844 67898 34530 84332 67584 34567 259 6 00000 End 1216z.	USB	Wed	(Spec)
6825	M51	8-6-2011	1148	5LGs and "AR ZECON 02-2/3 VITESSE 600 CODÚ BT HBCGD QJAKL QMAPL..."	CW		(ML4)
6825	M51	2-6-2011	0914	FAV22: French Army Mont-Valerien	CW		(WP3)
6840	M89	1-6-2011	2320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //10640 kHz	CW		(JPL-HK)
6840	M89	7-6-2011	1819	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW		(JPL-HK)
6840	M89	10-6-2011	1819	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW		(JPL-HK)
6840	M89	13-6-2011	1620	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW		(JPL-HK)
6840	M89	14-6-2011	0120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 10640	CW		(JPL-HK)
6840	M89	14-6-2011	2020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 4860	CW		(JPL-HK)
6840	M89	16-6-2011	1920	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 4860	CW		(JPL-HK)
6840	M89	16-6-2011	2220	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 4860	CW		(JPL-HK)
6840	M89	22-6-2011	2320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 10640	CW		(JPL-HK)
6840	M89	26-6-2011	2320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 10640	CW		(JPL-HK)
6840	M89	27-6-2011	1620	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 4860	CW		(JPL-HK)
6840	M89	29-6-2011	1121	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 10640	CW		(JPL-HK)
6840	M89	30-6-2011	0920	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW		(JPL-HK)
6904	M12	2-6-2011	1940	257:1	CW	Thu	(HFD)
6904	M12	6-6-2011	1840	257:1	CW	Mon	(HFD)
6948	G06	6-6-2011	0800	215 00000 End 0805z. Weak QRN2	USB	Mon	(Spec)
6984	S06	2-6-2011	1905	349:0	AM	Thu	(HFD)
6984	S06	30-6-2011	1905	349:0	AM	Thu	(HFD)
6984	S06	2-6-2011	1905	Fair signal. 349 00000 End 1909z.	USB	Thu	(Spec)
6984	S06	6-6-2011	1905	349 00000 End 1909z. Fair QRN3	USB	Mon	(Spec)
6986	G11	2-6-2011	0940	275/00	USB		(Danix)
7245	S06s	7-6-2011	0800	418 239 5 15656	AM		(FN)
7245	S06s	7-6-2011	0800	418-239/5=15636	AM	Tue	(HFD)
7335	S06s	1-6-2011	0730	745 923 6 17896	AM		(FN)
7335	S06s	1-6-2011	0730	Strong. 745 923 6 17896 56433 56789 09089 76556 34341 923 6 00000 End 0736z.	USB	Wed	(Spec)
7402	M21a	2-6-2011	0920	4533219375614 - 4529219616514	CW		(WP3)
7437	E07a	16-6-2011	0430	411:1-11006-451/71 :	AM	Thu	(HFD)
7473	E07a	1-6-2011	2020	(rpt of 2000z)	AM		(Danix)
7473	E07	1-6-2011	2020	147 1 60401 970 59 09581	AM		(FN)
7473	E07a	1-6-2011	2020	Strong with BCQRM. 147 1 60401 970 59 09581 01244 000 000 End 2028z.	USB	Wed	(Spec)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
7520	V02a	4-6-2011	0224	Fair signal. V02a in progress. End 0242.	LSB	Sat	(Spec)
7526	M08a	28-6-2011	2314	5LG msgá ends with AR ar ARá	CWá		(GN2)
7545	S06s	8-6-2011	1230	967 231 5 78654	AM		(FN)
7545	S06s	15-6-2011	1230	Via GT Harz. ID967 weak, QSB3. 967 967 967 280 280 5 5 87655 00000.	USB	Wed	(SWL1409)
7553	V26	11-6-2011	1310	simulcast 4283 and 9153	USB	Sat	(Token)
7568	M89	2-6-2011	2132	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4523	CW		(JPL-HK)
7568	M89	5-6-2011	1911	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
7568	M89	6-6-2011	1634	V QPZM (x3) DE WOXN (x2) (Cont'd) //4523	CW		(JPL-HK)
7568	M89	7-6-2011	1826	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
7568	M89	13-6-2011	1636	V QPZM (x3) DE WOXN (x2) (Cont'd) //4523	CW		(JPL-HK)
7568	M89	22-6-2011	2302	V QPZM (x3) DE WOXN (x2) (Cont'd) //4523	CW		(JPL-HK)
7568	M89	23-6-2011	1335	V QPZM (x3) DE WOXN (x2) (Cont'd) //4523	CW		(JPL-HK)
7568	M89	26-6-2011	1236	V QPZM (x3) DE WOXN (x2) (Cont'd) //4523	CW		(JPL-HK)
7568	M89	26-6-2011	1945	V QPZM (x3) DE WOXN (x2) (Cont'd) //4523	CW		(JPL-HK)
7568	M89	27-6-2011	1556	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
7568	M89	27-6-2011	2301	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
7582	M89	1-6-2011	2353	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8100 kHz (Wed)	CW		(JPL-HK)
7582	M89	22-6-2011	2328	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7582	M89	26-6-2011	2346	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110 Switched from Night Freqs 4225 //5500	CW		(JPL-HK)
7582	M89	30-6-2011	0929	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW		(JPL-HK)
7602	M89	7-6-2011	1829	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
7602	M89	10-6-2011	1829	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
7602	M89	14-6-2011	2015	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
7602	M89	27-6-2011	1553	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW		(JPL-HK)
7608	E06	4-6-2011	0130	Fair. 759 108 32 85624 25203 108 32 00000 End 0139z.	USB	Sat	(Spec)
7608	E06	5-6-2011	0130	759 108 32 85624 25203 108 32 00000 End 0039z.	USB	Sun	(Spec)
7630	S06s	2-6-2011	1240	314 580 6 19339	AM		(FN)
7635	X06	9-6-2011	2234	Mazielka	AM		(GN2)
7650	S06s	7-6-2011	1230	278 941 5 94289	AM		(FN)
7650	S06s	7-6-2011	1230	278-941/5=94289	AM	Tue	(HFD)
7718	S06	4-6-2011	1930	366 00000	AM		(Danix)
7718	S06	4-6-2011	1930	Very strong signal. 366 00000 End 1934z.	USB	Sat	(Spec)
7744	S06s	7-6-2011	1510	537 912 6 29245	AM		(FN)
7765	S06s	8-6-2011	1200	481 259 6 67844	AM		(FN)
7833	M89	2-6-2011	1035	V 7NPE (x3) DE QV5B (x2) (Cont'd) //10643	CW		(JPL-HK)
7833	M89	28-6-2011	1055	V QPZM (x3) DE WOXN (x2) (Cont'd) //10643	CW		(JPL-HK)
7833	M89	29-6-2011	1111	V QPZM (x3) DE WOXN (x2) (Cont'd) //10643	CW		(JPL-HK)
7837	M03	26-6-2011	1320	437/00	CW	Sun	(HFD)
7838	M12	27-6-2011	0500	837:0	CW	Mon	(HFD)
7839	M12	6-6-2011	0500	827 1 179 84 22286 68135 000 000 End 0508z. Strong QSB2	USB	Mon	(Spec)
7889	S06s	6-6-2011	1610	176 804 5 25535 12121 50555 85851 88015 804 5 00000 End 1615z.	USB	Mon	(Spec)
7931	M12	2-6-2011	1920	257:1	CW	Thu	(HFD)
7931	M12	6-6-2011	1820	257:1	CW	Mon	(HFD)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
7982	S06	13-6-2011	1900	349:0	AM	Mon	(HFD)
7982	S06	20-6-2011	1900	349:0	AM	Mon	(HFD)
7991	M--	7-6-2011	1155	i.p. ends at 1200z	CW		(FN)
8005.5	M42	21-6-2011	0802	Russian Gov/Intel.	CROWD-36		(WP3)
8009	M08a	16-6-2011	0300	5f cut nums: 66161 Caught late.	CW	Thu	(westli)
8009	M08a	16-6-2011	0400	5f cut nums: 64201 08032 66161 Weak sig.	CW	Thu	(westli)
8040	M89	2-6-2011	1040	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW		(JPL-HK)
8040	M89	22-6-2011	2256	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
8040	M89	27-6-2011	2258	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW		(JPL-HK)
8040	M89	28-6-2011	1050	V H2FL (x3) DE DRV8 (x2) (Cont'd) // 6773	CW		(JPL-HK)
8047	M12	1-6-2011	1700	463:1	CW	Wed	(HFD)
8047	M12	1-6-2011	1700		CW	Wed	(IP-NL)
8088	E11	16-6-2011	1733	ip	USB	Thu	(HFD)
8088	E11	30-6-2011	1730	416/00	USB	Thu	(HFD)
8110	M89	1-6-2011	2352	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582 kHz (Wed)	CW		(JPL-HK)
8110	M89	2-6-2011	2234	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225 kHz	CW		(JPL-HK)
8110	M89	22-6-2011	2328	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582 Note: Switched from Daytime Frequencies to Nighttime Fre	CW		(JPL-HK)
8110	M89	26-6-2011	2346	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582 Switched from Night Freqs 4225 //5500	CW		(JPL-HK)
8110	M89	30-6-2011	0929	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW		(JPL-HK)
8116	M12	2-6-2011	1840	124:1	CW	Thu	(HFD)
8124	E07	7-6-2011	0700	131 131 131 000	AM		(FN)
8127	E07	9-6-2011	0700	131 131 131 000	AM		(FN)
8127	E07	7-6-2011	0700	131:0	AM	Tue	(HFD)
8137	E07a	16-6-2011	0450	411:1-11006	AM	Thu	(HFD)
8142	E06	5-6-2011	0030	very strong signal, I received it on my personal hi-fi radio	AM	Sun	(IP-POL)
8142	E06	25-6-2011	0030	strong signal here in Silesia	AM	Sat	(IP-POL)
8142	E06	18-6-2011	0030	759	AM		(Daunt)
8142	E06	19-6-2011	0030	759	AM		(Daunt)
8142	E06	26-6-2011	0030	759	AM		(Daunt)
8142	E06	4-6-2011	0030	Russian Man, very clear.	AM	Sat	(Saber)
8142	E06	11-6-2011	0030	Russian Man, unclear in places.	USB	Sat	(Saber)
8142	E06	18-6-2011	0030	Russian Man, very disturbed.	USB	Sat	(Saber)
8142	E06	25-6-2011	0030	Russian Man, fading in places.	USB	Sat	(Saber)
8142	E06	4-6-2011	0030	Strong. 759 108 32 85624 25203 108 32 00000 End 0039z.	USB	Sat	(Spec)
8142	E06	5-6-2011	0030	759 108 32 85624 25203 108 32 00000 End 0039z.	USB	Sun	(Spec)
8157	S06	4-6-2011	1600	134 00000	AM		(Danix)
8173	E07	1-6-2011	2000	147 1 60401 970 59 09581	AM		(FN)
8173	M12	7-6-2011	0340	111:1	CW	Tue	(HFD)
8173	E07a	1-6-2011	2000	Strong. 147 1 60401 970 59 09581 01244 000 000 End 2008z.	USB	Wed	(Spec)
8186	V02a	11-6-2011	0800	SSYL atenci_n: 68352 00761 08742 Very weak AM sig.		Sat	(westli)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
8220	S06s	8-6-2011	1240	967 231 5 78654	AM		(FN)
8313	XSL	4-6-2011	1942	Very weak. Japanese Slot Machine in progress.	USB	Sat	(Spec)
8530	S11a	3-6-2011	0915	484/00	USB		(Danix)
8588	XSL	4-6-2011	1944	Very weak. Japanese Slot Machine in progress.	USB	Sat	(Spec)
8703.5	XSL	4-6-2011	1945	Very weak. Japanese Slot Machine in progress.	USB	Sat	(Spec)
9040	V02a	1-6-2011	0900	SSYL atenci_n: 73221 76272 23312 Good sig.	AM	Wed	
9040	V02a	22-6-2011	0900	SSYL atenci_n: 04871 71501 60301 Good sig.	AM	Wed	(westli)
9056	X06	17-6-2011	0435	Mazielka. Sequence: 615243	AM		(PPA)
9061	X06	22-6-2011	0807	Mazielka. Sequence: 412356	AM		(HS2)
9061	X06	22-6-2011	0809	Mazielka. Sequence: 412356	AM		(TJ)
9063	SK01	30-6-2011	0630	carrier, no mod.			(Jon-FL)
9063	SK01	4-6-2011	0928	Strong signal. End 0929z.	AM	Sat	(Spec-USA)
9063	SK01	4-6-2011	0933	Strong signal. End 0934z.	AM	Sat	(Spec-USA)
9063	SK01	4-6-2011	0938	Strong signal. End 0939z.	AM	Sat	(Spec-USA)
9063	M08a	3-6-2011	0800	5f cut nums: 66222 26031 21652 VG sig.	MCW	Fri	(westli)
9063	M08a	8-6-2011	0900	5f cut nums: Good sig. Up late IP.	MCW	Wed	(westli)
9063	M08a	24-6-2011	0800	5f cut nums: 86231 87812 38112 VG sig.	MCW	Fri	(westli)
9065	S06	4-6-2011	2000	Very strong signal. 703 00000 End 2004z.	USB	Sat	(Spec)
9075.25	M42	22-6-2011	0605	Russian Gov/Intel.	F1B 100/1000		(TJ)
9084.5	M42	7-6-2011	0751	Russian Gov/Intel.	CROWD-36		(WP3)
9086	M12	1-6-2011	2120	903:0	CW	Wed	(HFD)
9110	S06s	8-6-2011	1910	371 495 6 34890	AM		(FN)
9110	S06s	1-6-2011	1910	Fair. 371 495 6 34890 98667 45356 88012 32456 39086 495 6 00000 End 1916z.	USB	Wed	(Spec)
9112	M08a	26-6-2011	1000	5f cut nums: 06642 74222 24642	MCW	Sun	(westli)
9122	M42	17-6-2011	0651	Russian Gov/Intel. "54657 90987 13243 56576 11324 78790 35467 30987 45675 32456 =100= 4	Baudot 50/500		(WP3)
9124	SK01	30-6-2011	0600	carrier, no mod.			(Jon-FL)
9125	S06s	10-6-2011	0610	196 872 5 45115	AM		(FN)
9135	XPA2	2-6-2011	2010	msg	MFSK	Thu	(HFD)
9137	E07a	16-6-2011	0510	411:1-11006	AM	Thu	(HFD)
9138	XPA	7-6-2011	1810	msg	MFSK	Tue	(HFD)
9138	XPA	2-6-2011	1810	Weak signal. End 1815z.	USB	Thu	(Spec)
9140	M42	22-6-2011	0558	Russian Gov/Intel.	F1B/1000 ARQ bursts		(TJ)
9140	M42	22-6-2011	0619	Russian Gov/Intel.	DFSK 2ch/500		(TJ)
9153	V26	11-6-2011	1310	simulcast 4283 and 7553	USB	Sat	(Token)
9153	M08a	8-6-2011	0900	5f cut nums: Good sig. Caught late.	MCW	Wed	(westli)
9153	M08a	10-6-2011	0700	5f cut nums: 24801 VG sig. Up late IP.	MCW	Fri	(westli)
9153	M08a	24-6-2011	0700	5f cut nums: 86231 87812 38112 Good sig.	MCW	Fri	(westli)
9173	M12	7-6-2011	0400	111:1	CW	Tue	(HFD)
9173	M12	31-5-2011	0400	111 111 111 1 + 5F message	CW		(PPA)
9176	M12	6-6-2011	1705	257 257 257 1 272 1 272 1 272 1 into fast 5f traffic ends 000 000 or TTT TTT	CW		(EB)
9176	M12	6-6-2011	1705	257 257 257 1 272 1 272 1 272 1 into fast 5f	CW		(EB)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
traffic ends 000 000 or TTT TTT							
9176	M12	2-6-2011	1900	257:1	CW	Thu	(HFD)
9176	M12	6-6-2011	1800	257:1	CW	Mon	(HFD)
9192	VC01	22-6-2011	0537	Chinese Robot. Also heard at 0759 UTC	USB		(AB-HK)
9192	VC01	23-6-2011	0609	Chinese Robot. Barely audible.	USB		(AB-HK)
9192	VC01	26-6-2011	0659	Chinese Robot. Barely audible	USB		(AB-HK)
9192	VC01	28-6-2011	0517	Chinese Robot	USB		(AB-HK)
9192	VC01	29-6-2011	0512	Chinese Robot	USB		(AB-HK)
9192	VC01	14-6-2011	2033	Chinese Robot	USB		(HS2)
9222	M21	3-6-2011	0754	Russian Air Defense. 99?1154?9????? - 99?1156?9?????	CW		(WP3)
9238	M12	27-6-2011	0520	837:0	CW	Mon	(HFD)
9239	M12	6-6-2011	0520	827 1 179 84 22286 68135 000 000 End 0528z.	USB	Mon	(Spec)
9240	V02a	29-6-2011	1000	"Atencion" into 5 figure groups	AM		(RR2)
9255	S06	2-6-2011	1230	Ends at 1230	AM		(AB2)
9255	S06s	2-6-2011	1230	ID=314 Short message.	USB	Thu	(E800)
9255	S06s	2-6-2011	1230	314 580 6 19339	AM		(FN)
9255	S06	16-6-2011	1231	314	AM		(tiNG)
9256	S06s	6-6-2011	1600	176 804 5 25535 12121 50555 85851 88015 804 5 00000 End 1605z.	USB	Mon	(Spec)
9264	M12	2-6-2011	1820	124:1	CW	Thu	(HFD)
9327	E07	7-6-2011	0720	131 131 131 000	AM		(FN)
9327	E07	9-6-2011	0720	131 131 131 000	AM		(FN)
9327	E07	7-6-2011	0720	131:0	AM	Tue	(HFD)
9376	Psy	2-6-2011	1219	NATO Psy-Ops against Libya	USB		(AB2)
9505	V13	19-6-2011	1300	CCYL New Star #4. Msg set: 11-06-3. Very weak sig. Covered by BC station.	USB	Sun	(westli)
9655	S06s	3-6-2011	0940	Weak. 516 984 7 08652 45337 67842 14841 21759 13296 24486 984 7 00000 End 0946z.	USB	Fri	(Spec)
9670	S06s	1-6-2011	0850	328 495 6 67683	AM		(FN)
9670	S06s	7-6-2011	0810	418 239 5 15656	AM		(FN)
9670	S06s	7-6-2011	0810	418	AM	Tue	(HFD)
9725	V13	1-6-2011	0502	New Star in progress	USB		(AB-HK)
9725	V13	2-6-2011	0601	New Star in progress	USB		(AB-HK)
9725	V13	3-6-2011	0512	New Star in progress	USB		(AB-HK)
9725	V13	7-6-2011	0628	New Star in progress	USB		(AB-HK)
9725	V13	23-6-2011	0607	New Star in progress	USB		(AB-HK)
9725	V13	24-6-2011	0600	New Star. Flute tune and coded messages	USB		(AB-HK)
9725	V13	25-6-2011	1300	New Star. Flute tune and coded messages	USB		(AB-HK)
9725	V13	27-6-2011	0505	New Star in progress	USB		(AB-HK)
9725	V13	28-6-2011	0514	New Star in progress	USB		(AB-HK)
9725	V13	29-6-2011	0510	New Star in progress	USB		(AB-HK)
9725	V13	30-6-2011	0522	New Star in progress	USB		(AB-HK)
9725	V13	21-6-2011	1200	New Star	USB	Tue	(BCA)
9725	V13	21-6-2011	1320	New Star in progress	USB	Tue	(BCA)
9725	V13	26-6-2011	1200	USB+carrier	USB	Sun	(Token)
9725	V13	4-6-2011	1200	CCYL New Star #4. Msg set: 11-06-1. QRM - SW bcst.	USB	Sat	(westli)
9725	V13	4-6-2011	1300	CCYL New Star #4. Msg set: 11-06-1. QRM -	USB	Sat	(westli)

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				SW bcst.			
9725	V13	11-6-2011	1200	CCYL New Star #4. Msg set: 11-06-2. Weak.	USB	Sat	(westli)
9725	V13	11-6-2011	1300	CCYL New Star #4. Msg set: 11-06-2. Weak.	USB	Sat	(westli)
9725	V13	18-6-2011	1200	CCYL New Star #4. Msg set: 11-06-3. Good sig.	USB	Sat	(westli)
9725	V13	18-6-2011	1300	CCYL New Star #4. Msg set: 11-06-3.	USB	Sat	(westli)
9725	V13	19-6-2011	1200	CCYL New Star #4. Msg set: 11-06-3.	USB	Sun	(westli)
9725	V13	27-6-2011	1200	CCYL New Star #4. Msg set: 11-06-4. Weak.	USB	Mon	(westli)
9725	V13	27-6-2011	1300	CCYL New Star #4. Msg set: 11-06-4. Weak.	USB	Mon	(westli)
9725	V13	28-6-2011	0600	CCYL New Star #4. Msg set: 11-06-4. Very weak.	USB	Tue	(westli)
9725	V13	28-6-2011	1300	CCYL New Star #4. Msg set: 11-06-4.	USB	Tue	(westli)
9938	XPA	2-6-2011	1750	msg	MFSK	Thu	(HFD)
9938	XPA	7-6-2011	1750	msg	MFSK	Tue	(HFD)
9938	XPA	2-6-2011	1750	Weak signal. End 1755z.	USB	Thu	(Spec)
9986	M12	1-6-2011	2100	903:0	CW	Wed	(HFD)
10120	S06s	1-6-2011	0840	328 495 6 67683	AM		(FN)
10125	Psy	5-6-2011	1441	NATO Psy-Ops to Libya. At 1450 eot, unid "qrz the frequency, what is your call?" (sound	USB		(DF5JL)
10125	Psy	29-6-2011	1043	Message directed to Libyan military to move away from military equipment and facilities	USB		(GN2)
10125	Psy	1-6-2011	1146	NATO Psy-Ops against Libya	USB		(YM)
10135	XPA2	2-6-2011	1950	msg	MFSK	Thu	(HFD)
10170	S06s	8-6-2011	1900	371 495 6 34890	AM		(FN)
10170	S06s	1-6-2011	1900	Fair. 371 495 6 34890 98667 45356 88012 32456 39086 495 6 00000 End 1906z.	USB	Wed	(Spec)
10173	M12	7-6-2011	0420	111:1	CW	Tue	(HFD)
10173	M12	31-5-2011	0421	111 111 111 1 + 5F message	CW		(PPA)
10178	S06	4-6-2011	1900	703 00000	AM		(Danix)
10180	M89	20-6-2011	2100	DKG6 DKG6 DE 3A7D 3A7D	CW		(MOR)
10210	E17	16-6-2011	1042	EE/YL 5f groups	USB		(EB)
10210	E11	1-6-2011	0930	270/00	USB	Wed	(HFD)
10211	M42	29-6-2011	1936	Russian Gov/Intel	CROWD-36	Wed	(scanse)
10230	S06s	6-6-2011	1200	831 254 6 01215	AM		(FN)
10230	S06s	6-6-2011	1200	831 254 6 01215 55859 51948 21175 21201 42758 254 6 00000 End 1206z.	USB	Mon	(Spec)
10267	XPA	7-6-2011	1440	msg	MFSK	Tue	(HFD)
10290	S06s	3-6-2011	0930	Weak. 516 984 7 08652 45337 67842 14841 21759 13296 24486 984 7 00000 End 0936z.	USB	Fri	(Spec)
10343	M12	2-6-2011	1800	124:1	CW	Thu	(HFD)
10404	Psy	4-6-2011	1237	Psy-Ops transmission to Libya	USB		(tING)
10432	M08a	5-6-2011	0900	CW		(Danix)
10432	M08a	3-6-2011	0900	5f cut nums: 48231 64711 68442	MCW	Fri	(westli)
10432	M08a	6-6-2011	0900	5f cut nums: 71851 78872 52762 Good sig.	MCW	Mon	(westli)
10432	M08a	10-6-2011	0900	5f cut nums: 05562 28342 20742 VG sig.	MCW	Fri	(westli)
10432	M08a	19-6-2011	0900	5f cut nums: 74831 50372 02341 Good sig.	MCW	Sun	(westli)
10432	M08a	24-6-2011	0900	5f cut nums: 64371 86452 37561 Good sig.	MCW	Fri	(westli)
10432	M08a	26-6-2011	0900	5f cut nums: 06642 74222 24642	MCW	Sun	(westli)
10436	E07	1-6-2011	1740	414 1 776 61 13457	AM		(FN)

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10436	E07	8-6-2011	1740	414 1 753 72 36999	AM		(FN)
10436	E07	1-6-2011	1740	414:1	AM	Wed	(HFD)
10436	E07	1-6-2011	1740		AM	Wed	(IP-NL)
10438	XPA	2-6-2011	1730	msg	MFSK		(Danix)
10438	XPA	7-6-2011	1730	msg	MFSK	Tue	(HFD)
10438	XPA	2-6-2011	1730	Weak signal. End 1735z.	USB	Thu	(Spec)
10445	M08a	2-6-2011	0300	5f cut nums: 34531 58312 78782	CW	Thu	
10445	M08a	2-6-2011	0400	5f cut nums: 34531 58312 78782	CW	Thu	
10445	M08a	2-6-2011	0300	5F message using cut numbers	CW		(PPA)
10640	M89	1-6-2011	2320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (Wed) //6840 kHz	CW		(JPL-HK)
10640	M89	14-6-2011	0120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 6840	CW		(JPL-HK)
10640	M89	22-6-2011	2320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 6840	CW		(JPL-HK)
10640	M89	26-6-2011	2320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 6840	CW		(JPL-HK)
10640	M89	29-6-2011	1121	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K // 6840	CW		(JPL-HK)
10640	M89	30-6-2011	0920	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW		(JPL-HK)
10643	M89	2-6-2011	1035	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7833	CW		(JPL-HK)
10643	M89	2-6-2011	2137	V DKG6 (x3) DE 3A7D (x2) (Cont'd) (Thurs) (GlobalTuners Hong Kong) JPL	CW		(JPL-HK)
10643	M89	14-6-2011	0126	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
10643	M89	25-6-2011	2336	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
10643	M89	26-6-2011	2357	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
10643	M89	28-6-2011	1055	V QPZM (x3) DE WOXN (x2) (Cont'd) //7833	CW		(JPL-HK)
10643	M89	29-6-2011	1111	V QPZM (x3) DE WOXN (x2) (Cont'd) //7833	CW		(JPL-HK)
10643	M89	30-6-2011	0928	V QPZM (x3) DE WOXN (x2) (Cont'd)	CW		(JPL-HK)
10714	E07	9-6-2011	2030	273 1 128 69 90042	AM		(FN)
10714	E07	2-6-2011	2030	273:0	AM	Thu	(HFD)
10714	E07	2-6-2011	2030	Fair signal. 273 273 273 000 End 2033z.	USB	Thu	(Spec)
10731	X06	29-6-2011	1922	Mazielka. Sequence: 314265	AM		(Dan)
10735	XPA2	2-6-2011	1930	msg	MFSK	Thu	(HFD)
10739	M12	6-6-2011	0540	827 1 179 84 22286 68135 000 000 End 0508z.	USB	Mon	(Spec)
10800	E11	27-6-2011	0450	416/00	USB	Mon	(HFD)
10814	M12	10-6-2011	0600	614:1	CW	Fri	(HFD)
10857	M08a	1-6-2011	1400	5f cut nums: 88631 82682 81371	CW	Wed	
10857	M08a	22-6-2011	1400	5f cut nums: 84582 18032 68852	CW	Wed	(westli)
11067	XPA	7-6-2011	1420	msg	MFSK	Tue	(HFD)
11090	S06	27-6-2011	2115	378:0	AM	Mon	(HFD)
11432	M89	7-6-2011	1831	V RXP7 (x3) DE CZT2 (x2) (Cont'd)	CW		(JPL-HK)
11432	M89	22-6-2011	2254	V RXP7 (x3) DE CZT2 (x2) (Cont'd)	CW		(JPL-HK)
11435	S06s	8-6-2011	0530	153-492/6=18054	AM	Wed	(HFD)
11483	X06	22-6-2011	0800	Mazielka. Sequence: 412356	AM		(HS2)
11525	X06	29-6-2011	1928	Mazielka. Sequence: 156234	AM		(Dan)
11565	M08a	2-6-2011	0400	5f cut nums: ...32 24621 ..81. QRM5 buzzing signal.	CW	Thu	

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11565	M08a	9-6-2011	0400	5f cut nums: 71762 74712 46601	CW	Thu	(westli)
11570	X06c	28-6-2011	1012	Mazielka	USB		(Danix)
11581	S11a	3-6-2011	1020	426/00	USB		(Danix)
11830	S06s	1-6-2011	0740	745 923 6 17896	AM		(FN)
11830	S06s	1-6-2011	0740	Strong. 745 923 6 17896 56433 56789 09089 76556 34341 923 6 00000 End 0746z.	USB	Wed	(Spec)
12100	X06c	24-6-2011	1050	Mazielka. Sequence: 123456	USB		(Danix)
12100	X06	22-6-2011	0657	Mazielka. Sequence: 123456	AM		(HS2)
12100	X06	22-6-2011	0746	Mazielka. Sequence: 123456	AM		(HS2)
12114	M12	10-6-2011	0620	614:1	CW	Fri	(HFD)
12134	M08a	6-6-2011	1400	5f cut nums: Good sig. Up late IP.	CW	Mon	(westli)
12134	M08a	20-6-2011	1400	5f cut nums: 44062 75572 07832 Missed lead-off ID.	CW	Mon	(westli)
12134	M08a	23-6-2011	1400	5f cut nums: 52481 35552 50012	CW	Thu	(westli)
12141	E07	1-6-2011	1720	414 1 776 61 13457	AM		(FN)
12141	E07	8-6-2011	1720	414 1 753 72 36999	AM		(FN)
12141	E07	1-6-2011	1720	414:1	AM	Wed	(HFD)
12141	E07	1-6-2011	1723		AM	Wed	(IP-NL)
12155	S06s	2-6-2011	1200	425 960 7 62014	AM		(FN)
12156	X06	15-6-2011	0649	Mazielka. Sequence: 256341	AM		(HS2)
12165	S06s	6-6-2011	1210	831 254 6 01215	AM		(FN)
12167	XPA	5-6-2011	1400	102 1 00470 00071 15724 61221	AM		(Danix)
12167	XPA	7-6-2011	1400	msg	MFSK	Tue	(HFD)
12167	S06s	6-6-2011	1210	831 254 6 01215 55859 51948 21175 21201 42758 254 6 00000 End 1216z.	USB	Mon	(Spec)
12213	E07	9-6-2011	2010	273 1 128 69 90042	AM		(FN)
12213	E07	2-6-2011	2010	273:0	AM	Thu	(HFD)
12213	E07	2-6-2011	2010	Weak signal. 273 273 273 000 End 2013z.	USB	Thu	(Spec)
12650	S06s	8-6-2011	0540	153	AM	Wed	(HFD)
12850	E17z	2-6-2011	0810	674 982 5 77245 94557 01551 28408 73655 982 5 00000	USB		(Danix)
12850	E17z	2-6-2011	0810	RS/45. ID=674 Short message.	USB	Thu	(E800)
12850	E17z	2-6-2011	0810	674 983 5 77245	USB		(FN)
12850	E17z	2-6-2011	0810	Weak, Data QRM. 674 982 5 77241 94557 01555 28408 73655 982 5 00000 End 0816z.	USB	Thu	(Spec)
12924	E11	2-6-2011	0830	649/00	USB		(Danix)
12935	S06s	7-6-2011	0810	352 497 6 59426	AM		(FN)
12952	S06s	2-6-2011	0900	167 938 5 67035	AM		(FN)
12952	S06s	2-6-2011	0900	167-938/5=67035	AM	Thu	(HFD)
12952	S06s	2-6-2011	0900	Weak. 167 938 5 67085 07743 86555 30413 25318 938 5 00000 End 0905z.	USB	Thu	(Spec)
13380	M08a	23-6-2011	2000	5f cut nums: 06031 05752 42082 Weak sig.	MCW	Thu	(westli)
13380	V02a	14-6-2011	2000	SSYL atenci_n: Nasty audio, as usual.	AM	Tue	(westli)
13427	E11	1-6-2011	0900	534/00	USB	Wed	(HFD)
13460	S06	13-6-2011	2015	378:0	AM	Mon	(HFD)
13460	S06	27-6-2011	2015	378:0	AM	Mon	(HFD)
13468	E07	1-6-2011	1700	414 1 776 61 13457	AM		(FN)
13468	E07	8-6-2011	1700	414 1 753 72 36999	AM		(FN)
13468	E07	1-6-2011	1700	414:1-776/61=13457	AM	Wed	(HFD)

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13506	X06	29-6-2011	1926	Mazielka. Sequence: 164532	AM		(HS2)
13506	X06	29-6-2011	1925	Sequence 164532 (credit:danix111)	USB	Wed	(scanse)
13524	E07	6-6-2011	1940	865 1 389 45 70612	AM		(FN)
13565	S06s	2-6-2011	0910	167 938 5 67035	AM		(FN)
13565	S06s	2-6-2011	0910	167	AM	Thu	(HFD)
13565	S06s	2-6-2011	0910	Weak. 167 938 5 67085 07743 86555 30413 25318 938 5 00000 End 0915z.	USB	Thu	(Spec)
14193	M42	15-6-2011	1134	Russian Gov/Intel.	CROWD-36		(GN2)
14373	S06s	7-6-2011	0800	352 497 6 59426	AM		(FN)
14450	X06c	24-6-2011	1040	Mazielka. Sequence: 123456	USB		(Danix)
14535	S06s	2-6-2011	1210	425 960 7 62014	AM		(FN)
14580	S06s	1-6-2011	1000	729 483 5 71826	AM		(FN)
14580	S06s	1-6-2011	1000	Fair. 729 483 5 71826 56439 01928 78960 67854 483 5 00000 End 1005z.	USB	Wed	(Spec)
14624	E07	1-6-2011	1920	865 865 865 000	AM		(FN)
14624	E07	6-6-2011	1920	865 1 389 45 70612	AM		(FN)
14624	E07	1-6-2011	1920	865:0	AM	Wed	(HFD)
14624	E07	1-6-2011	1920	Fair signal, weak audio. 865 865 865 000 End 1922z.	USB	Wed	(Spec)
14630	M42	3-6-2011	1721	Russian Gov. Msg started with 11166 30000	CROWD-36		(MCO)
14655.5	M42	15-6-2011	1254	Russian Gov/Intel.	CROWD-36		(GN2)
14753	E11	3-6-2011	0710	633/00	USB	Fri	(HFD)
14753	E11	10-6-2011	0710	635/36=94163	USB	Fri	(HFD)
14870	X06	8-6-2011	1455	Mazielka. Sequence:á156234	AM		(GN2)
14871	X06	3-6-2011	1647	Mazielka. Sequence: 156234	AM		(Dan)
14873	XPA2	26-6-2011	1910		USB	Sun	(scanse)
14944	X06	21-6-2011	0901	Mazielka. Sequence: 621543	AM		(HS2)
15230	S06s	14-6-2011	0610	438 925 6 16655	AM		(FN)
15824	E07	1-6-2011	1900	865 865 865 000	AM		(FN)
15824	E07	1-6-2011	1900	865:0	AM	Wed	(HFD)
15824	E07	1-6-2011	1900	Fair signal, weak audio. 865 865 865 000 End 1902z.	USB	Wed	(Spec)
15834	XPA2	26-6-2011	1900		USB	Sun	(scanse)
16020	S06s	1-6-2011	1010	729 483 5 71826	AM		(FN)
16020	S06s	1-6-2011	1010	Fair. 729 483 5 71826 56439 01928 78960 67854 483 5 00000 End 1015z.	USB	Wed	(Spec)
16116	X06	8-6-2011	0855	Mazielka. Sequence: 134265	AM		(HS2)
16116	X06	8-6-2011	0855	Mazielka. Sequence: 134265	AM		(HS2)
16150.5	M42	15-6-2011	1310	Russian Gov/Intel.	CROWD-36		(GN2)
16150.5	M42	23-6-2011	1345	Russian Gov/Intel.	CROWD-36		(GN2)
16166	M42	18-6-2011	0830	Russian Gov/Intel.	Crowd-36		(WP3)
16224	M42	23-6-2011	1350	Russian Gov/Intel.	CROWD-36		(GN2)
16240	E06	2-6-2011	0600	328:0 not 348	AM	Thu	(HFD)
16276	X06	28-6-2011	1734		USB	Tue	(scanse)
16277	X06	2-6-2011	0648	Fair signal. Mazielka ip. Sequence 436512 End 0650z.	USB	Thu	(Spec)
16277	X06	2-6-2011	0648	Mazielka. Sequence: 436512	AM		(Spec)
16323	M42	15-6-2011	1157	Russian Gov/Intel.	CROWD-36		(GN2)
16331.7	MX	11-6-2011	1625	Beacon "D"	CW		(WP3)
16331.7	MX	18-6-2011	0826	Beacon "D"	CW		(WP3)

Freq.	enigma	date	UTC	remarks	mode	day	contributor
16331.9	MX	18-6-2011	0826	Beacon "S"	CW		(WP3)
16332	MX	11-6-2011	1625	Beacon "C"	CW		(WP3)
16332	MX	18-6-2011	0826	Beacon "C"	CW		(WP3)
16332.1	MX	11-6-2011	1625	Beacon "A"	CW		(WP3)
16332.1	MX	18-6-2011	0826	Beacon "A"	CW		(WP3)
16332.2	MX	11-6-2011	1625	Beacon "F"	CW		(WP3)
16335	E11	27-6-2011	1540	228/00	USB	Mon	(HFD)
16344	M42	21-6-2011	1125	Russian Gov/Intel.	CROWD-36		(GN2)
16530	S11a	23-6-2011	1015	475/00	USB	Thu	(HFD)
16608	S06	14-6-2011	1438	5 fig groupsá ends 1440á	USB		(GN2)
16735	S06s	14-6-2011	0600	438 925 6 16655	AM		(FN)
16780	E17z	2-6-2011	0800	674 982 5 77245 94557 01551 28408 73655 982 5 00000	USB		(Danix)
16780	E17z	2-6-2011	0800	674 983 5 77245	USB		(FN)
16780	E17z	2-6-2011	0800	Weak. 674 982 5 77241 94557 01555 28408 73655 982 5 00000 End 0806z.	USB	Thu	(Spec)

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